

Title (en)

Paper feeding device for a banding machine for logs of sheet material

Title (de)

Papierzuführvorrichtung für eine Umreifungsmaschine zur Produktion von Papierrollen

Title (fr)

Dispositif d'alimentation de papier pour une machine à bander à produire des rouleaux de matériau en feuille

Publication

EP 1860031 A1 20071128 (EN)

Application

EP 06010818 A 20060526

Priority

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Abstract (en)

Banding machine for packaging logs (2) consisting of stacks of folded, overlapped or interfolded sheets, adapted to apply a banding web of paper or plastic film (8) for banding it on four longitudinal sides, through means for packaging (23). A glue gun (12), during the motion of the web in a direction orthogonal to the drawings, spreads a glue line (4) for all the length of the web (8), near the lower free wing (29). The packaging web (8) crosses the walls (13) at two gaps (26, 27), respectively upper and lower. This way, pushing the compressed log (2) in the channel (6), the packaging web (8) is arranged stretched in front of the log (2). Thus, by the pusher (7), the log (2) is pushed against the packaging web (8) well beyond the gap (26, 27), causing a kind of self-packaging, i.e. the log is wound for $\frac{3}{4}$ by the web (8) and leaving two free wings, (29, 30), of which the second has glue on it. For avoiding, during the packaging, to dirty with glue passing through the gap (27), at least one among the first or the second section comprises a movable portion for enlarging said gap to allow the movement of said glued zone of said web. The particular said movable section can be a rotating wall portion.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [Y] DE 19719239 A1 19981112 - GIESECKE & DEVRIENT GMBH [DE]
- [Y] US 6880313 B1 20050419 - GESSFORD DOUGLAS KERR [US], et al
- [A] US 4386997 A 19830607 - MOLITOR EDWIN A, et al
- [A] US 4167841 A 19790918 - CAMP JOHANNES P
- [A] GB 2101554 A 19830119 - BOZZA IRENEO
- [A] US 3946539 A 19760330 - NOACK FRITZ
- [AD] EP 1493669 A1 20050105 - FPNA ACQUISITION CORP [US]
- [AD] WO 2004099929 A2 20041118 - BRETTING C G MFG CO INC [US], et al

Cited by

CN105000206A; CN104908990A; CN104925286A; US11180272B2

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DOCDB simple family (application)

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